IN THE CLAIMS:

1. (Currently Amended) In a system wherein a portable device, arranged for wireless data communications with a computer, is located using radio signals between said portable device and fixed devices, and wherein said computer uses a database relating radio signal characteristics to location to compute location of said device, and communicates location data to said portable device using wireless data communications, a method comprising the steps of:

receiving characteristic data representing radio signal environment in a sub-area corresponding to said location data,

monitoring received radio signals corresponding to said data representing radio signal environment to detect a change in location of said device;

determining said device has moved to a further location based on a detected change in said received radio signals; and

increasing a rate of transmitting updated location data from [[to]] said computer upon determining said device has moved.

2. (Previously presented) The method specified in claim 1 wherein said portable device uses said characteristic data and said radio signals corresponding to said radio signal environment to update said location data.

3. (Previously Presented) The method specified in claim 2 wherein said device is arranged to transmit said location data to a computer in association with further data and wherein said device transmits said updated location data in association with said further data.

4. (Canceled)

5. (Canceled)

6. (Currently Amended) A portable device arranged to communicate with a computer using wireless data communications, comprising:

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at least one radio receiver for receiving signals including data communications signals; and

a processor arranged to:

receive from said radio and store location data and characteristic data representing radio signal environment in a sub-area corresponding to said location data,

monitor signals corresponding to said radio signal environment and to provide said processor with radio signal data corresponding to said radio signal environment,

use said radio signal data and said characteristic data representing radio signal environment in a sub-area corresponding to said location data to determine if said device has changed location,

determine said device has moved to a further location based on a detected change in said received radio signals, and

increasing a rate of transmitting updated location data from [[to]] said computer upon determining said device has moved.

7. (Previously Presented) The portable device as specified in claim 6 wherein said processor is further arranged to use said radio signal data and said characteristic data representing radio signal environment in a sub-area corresponding to said location data to update said location data.

8. (Previously Presented) The portable device as specified in claim 7 wherein said device is arranged to transmit said location data to a computer in association with other data.

9 - 16. (Canceled)

17. (Currently Amended) A system, comprising:

a receiving means receiving characteristic data representing radio signal environment in a sub-area corresponding to location data;

a monitoring means monitoring received radio signals corresponding to the characteristic data representing radio signal environment to detect a change in location of a device;

a determining means determining the device has moved to a further location based on a detected change in the received radio signals; and

a data transmitting means increasing a rate of transmitting updated location data from [[to]] said determining means upon determining said device has moved.

18. (Previously Presented) The system specified in claim 17, wherein the device uses the characteristic data and the radio signals corresponding to the radio signal environment to update the location data.

19. (Previously Presented) The system specified in claim 18, wherein the data transmitting means transmitting the location data to a server and further transmitting the updated location data to the server.